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Patent Application Serial No. 10/589,254

**AMENDMENTS TO THE CLAIMS:**

1. (currently amended): A recording medium driver that drives a recording medium [[.]] including a cartridge and a disk accommodated in the cartridge, the cartridge including an information hole, whether the information hole is opened or closed ~~being detected to obtain~~ indicating information related to a state of the recording medium, the recording medium driver comprising:

a frame;

a tray within the frame, the tray including a mount surface on which the recording medium is mounted and being capable of housing the recording medium; ~~within a frame;~~

a detection section ~~that can be~~ to come up from/come down into the mount surface of the tray and that is projected from the mount surface to detect that the information hole is opened; and

a switch section disposed on a ~~frame side~~ of the frame to detect whether the detection section is come up or come down and to acquire the information related to the state of the recording medium, wherein [[.]]

the detection section includes a pin for detecting the information hole and a support portion for supporting the pin.

the tray includes a detection hole through which the pin is inserted, and

the recording medium driver includes a plate spring that constantly biases the support portion of the detection section from a back surface side opposite to the mount surface of the tray

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in a direction toward the mount surface, an end of the plate spring being fixed to the support portion and the other end of the plate spring being fixed to the tray.

2. - 4. (canceled)

5. (previously presented): The recording medium driver according to claim 1, wherein the tray allows a bare disc type recording medium to be mounted thereon, and the detection section positions the bare disc type recording medium.

6. (currently amended): A recorder/reproducer, comprising:

a recording medium driver that drives a recording medium, the recording medium including a cartridge and a disk accommodated in the cartridge,

the cartridge including an information hole, whether the information hole is opened or closed ~~being detected to obtain~~ indicating information related to a state of the recording medium, wherein

the recorder/reproducer records information on or reproduces information from the recording medium,

the recording medium driver includes:

a frame;

a tray within the frame, the tray including a mount surface on which the recording medium is mounted and being capable of housing the recording medium within a frame,

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a detection section ~~that can be to~~ come up from/come down into the mount surface of the tray and is projected from the mount surface to detect that the information hole is opened; and

a switch section disposed on a ~~frame side of the frame~~ to detect whether the detection section is come up or come down and to acquire the information related to the state of the recording medium, wherein ~~[[.]]~~

the detection section includes a pin for detecting the information hole and a support portion for supporting the pin,

the tray includes a detection hole to which the pin is inserted, and

the recording medium driver includes a plate spring that constantly biases the support portion of the detection section from a back surface side opposite to the mount surface of the tray in a direction toward the mount surface, an end of the plate spring being fixed to the support portion and the other end of the plate spring being fixed to the tray.

7. (new): The recording medium driver according to claim 1, wherein the detection section is mounted on the tray, and the switch is mounted on the frame.

8. (new): The recorder/reproducer according to claim 6, wherein the detection section is mounted on the tray, and the switch is mounted on the frame.